



Atty. Dkt. No. 034536-1595

TFW

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Gregory D. PLOWMAN et al.

Title: DIAGNOSIS AND TREATMENT OF ALK-7 RELATED DISORDERS

Appl. No.: 10/849,518

Filing Date: 05/20/2004

Examiner: Unassigned

Art Unit: Unassigned

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The USPTO has waived the requirement under 37 CFR 1.98(a)(2)(i) to submit copies of U.S. patents and U.S. patent application publications when citing and submitting an Information Disclosure Statements in a patent application filed after June 30, 2003 and in an international application that has entered the national stage under 37 USC §371 after June 30, 2003. Accordingly, copies of these types of documents are not being supplied in connection with this application. Reference is being made to OG Notice dated August 5, 2003, *Information Disclosure Statements May Be Filed Without Copies of U.S. Patents and Published Applications in Patent Applications filed after June 30, 2003.*

Applicants submit herewith on Form PTO/SB/08 a listing of the documents cited by or submitted to the U.S. PTO in parent application Serial No. 09/069,228, filed 04/27/1998. As provided in 37 CFR §1.98(d), copies of the documents are not being provided since they were previously submitted to the United States Patent & Trademark Office in the above-identified parent application.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

**TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(b), before the mailing date of the first Office Action on the merits.

Applicants respectfully request that the listed documents be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

Date 16 September 2004

By 

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Attorney for Applicant  
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		<b>Application Number</b>	10/849,518
		<b>Filing Date</b>	05/20/2004
		<b>First Named Inventor</b>	Gregory D. PLOWMAN
		<b>Group Art Unit</b>	Unassigned
		<b>Examiner Name</b>	Unassigned
		<b>Attorney Docket Number</b>	034536-1595
(use as many sheets as necessary)			
Sheet	1	of	14

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U.S. TRADEMARK OFFICE

## **U.S. PATENT DOCUMENTS**

Examiner Signature		Date Considered	
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				Group Art Unit	Unassigned
				Examiner Name	Unassigned
				Attorney Docket Number	034536-1595

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	A16	EP	0 520 722	A1	ICI PLC	12-30-1992		
	A17	EP	0 566 226	A1	ZENECA LTD	10-20-1993		
	A18	EP	0 562 734	A1	ZENECA LTD	09-29-1993		
	A19	WO	91/15495	A1	PFIZER INC.	10-17-1991		
	A20	WO	92/20642	A1	RHONEPOULENC RORER INTERNATIONAL INC.	11-26-1992		
	A21	WO	92/21660	A1	PFIZER INC.	12-10-1992		
	A22	WO	93/09236	A1	BAYLOR COLLEGE OF MEDICINE	05-13-1993		
	A23	WO	93/10242	A1	COLD SPRING HARBOR LABORATORY	05-27-1993		
	A24	WO	94/01119	A1	NATIONAL UNIVERSITY OF SINGAPORE	01-20-1994		
	A25	WO	94/14808	A1	FARMITALIA CARLO ERBA S.R.L.	07-07-1994		
	A26	WO	94/23039	A1	THE INSTITUTE OF CANCER RESEARCH: ROYAL CANCER HOSPITAL	10-13-1994		
	A27	WO	95/06735	A2	THE LUDWIG INSTITUTE FOR CANCER RESEARCH	03-09-1995		
	A28	WO	96/34985	A1	PHARMACIA S.P.A.	08-01-1996		
	A29	WO	96/34985	A1	SUGEN, INC.	11-07-1996		

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	A30	ABE et al., "Molecular Characterization of a Novel Metabotropic Glutamate Receptor mGluR5 Coupled to Insitol Phosphate/Ca <sup>2+</sup> Signal," <u>J. Biol. Chem.</u> , 1992, PP. 13361-13368, Vol. 267, No. 19		
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	A34	ANAFI et al., "Tyrphostin-Induced Inhibition of p210 <sup>bcr-abl</sup> Tyrosine Kinase Activity Induces K562 to Differentiate," <u>Blood</u> , 1993, pp. 3524-3529, Vol. 82		
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	A37	BAKER et al., "Induction of acetylcholine receptor clustering by native polystyrene beads," <u>Journal of Cell Science</u> , 1992, pp. 543-555, Vol. 102		
	A38	BARKER et al., "In vitro activity of non-glutamate containing quinazoline-based thymidylate synthase inhibitors," <u>Proceedings of the American Association for Cancer Research</u> , 1991, p. 327 at abstract No. 1939, Vol. 32		
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	A40	BAYER et al., "The Avidin-Biotin Complex in Affinity Cytochemistry," <u>Methods in Enzymology</u> , 1979, pp. 308-319, Vol. 62		
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STATEMENT BY APPLICANT

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Sheet 4 of 14

## Complete if Known

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Filing Date	05/20/2004
First Named Inventor	Gregory D. PLOWMAN
Group Art Unit	Unassigned
Examiner Name	Unassigned

Attorney Docket Number 034536-1595

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Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
	A43	BIGNER et al., "Structural chromosomal abnormalities in human medulloblastoma," <u>Cancer Genet. Cytogenet.</u> , 1988, pp. 91-101, Vol. 30	
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	A46	BOTSTEIN et al., "Making mutations in vitro and putting them back into yeast," <u>Miami Winter Symposia – From Gene to Protein: Translation into Biotechnology</u> , edited by Ahmad et al., 1982, pp. 265-274, Vol. 19, Academic Press	
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	A50	BRUNTON et al., "Antitumour activity of novel tryphostins in breast cancer cells," <u>Proceeding of the American Association for Cancer Research</u> , 1992, p. 558 at abstract no. 3335, Vol. 33	
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	A61	CHEN, "High-Efficiency Transformation of Mammalian Cells by Plasmid DNA," <u>Molecular and Cellular Biology</u> , 1987, pp. 2745-2754, Vol. 7, No. 8	
	A62	CHOMCZYNSKI et al., "Single-Step Method of RNA Isolation by Acid Guanidinium Thiocyanate-Phenol-Chloroform Extraction," <u>Analytical Biochemistry</u> , 1987, pp. 156-159, Vol. 162	
	A63	CHU et al., "Electroporation for the efficient transfection of mammalian cells with DNA," <u>Nucleic Acids Research</u> , 1987, pp. 1311-1326, Vol. 15	
	A64	CURIEL et al., "Adenovirus Enhancement of Transferring-Polylysine-Mediated Gene Delivery," <u>Proc. Natl. Acad. Sci. USA</u> , October 1991, pp. 247-252, Vol. 6	
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	A66	CURTIN et al., "Inhibition of the growth of human hepatocellular carcinoma in vitro and in athymic mice by a quinazoline inhibitor of thymidylate synthase, CB3717," <u>Br. J. Cancer</u> , 1986, pp. 361-368, Vol. 53	
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	A68	DOLLE et al., "5,7-Dimethoxy-3-(4-pyridinyl)quinoline is a Potent and Selective Inhibitor of Human Vascular – Type Platelet – Derived Growth Factor Receptor Tyrosine Kinase," <u>J. Med. Chem.</u> , 1994, pp. 2627-2629, Vol. 37	

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	A77	FIELDS et al., "Cell Surface Markers for Distinguishing Different Types of Rat Dorsal Root Ganglion Cells in Culture," <u>Cell</u> , 1978, p. 43, Vol. 14	
	A78	FINGL and WOODBURY, "Chapter 1- General Principles," in <u>The Pharmacological Basis of Therapeutics</u> , 5 <sup>th</sup> Edition, Goodman and Gilman, Eds., MacMillan Publishing Co., Inc. New York, pp. 1-46, 1975	
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	A80	FRY et al., "A Specific Inhibitor of the Epidermal Growth Factor Receptor Tyrosine Kinase," <u>Science</u> 265:1093-1095 (1994).	
	A81	GAZIT et al., "Tyrphostins 1. Synthesis and Biological Activity of Protein Tyrosine Kinase Inhibitors," <u>J. Med. Chem.</u> 32:2344-2352 (1989).	

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	A94	HASLAM et al., "Pleckstrin Domain Homology," <u>Nature</u> , 1993, p. 309, Vol. 363	

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Application Number	10/849,518
Filing Date	05/20/2004
First Named Inventor	Gregory D. PLOWMAN
Group Art Unit	Unassigned
Examiner Name	Unassigned

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Sheet 8 of 14

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Sheet	13	of	14	First Named Inventor	Gregory D. PLOWMAN
				Group Art Unit	Unassigned
				Examiner Name	Unassigned
				Attorney Docket Number	034536-1595

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
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				Filing Date	05/20/2004
				First Named Inventor	Gregory D. PLOWMAN
				Group Art Unit	Unassigned
				Examiner Name	Unassigned
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